

CLAIMS**MARKED-UP VERSION SHOWING CHANGES**

1. Image recording apparatus suitable for recording traffic signal violations, said apparatus including:
- 5 means for capturing a first image substantially at an instant of time that a control signal changes its status;
- means for storing said first image at least temporarily;
- means for detecting presence of a vehicle or object beyond a location at which said vehicle or object is required to stop in response to said change in
- 10 status; and
- means responsive to said detecting means for recording said first image in the event that said detecting means detects presence of said vehicle or object beyond said location.
- 15 2. Image recording apparatus according to claim 1 including means for capturing a second image after a preset time delay following said instant of time.
3. Image recording apparatus according to claim 1 including means for
- 20 capturing a second image in response to said detecting means.
4. Image recording apparatus according to claim 1, 2 or 3 wherein said change in status includes a traffic light signal changing to a red light.
- 25 5. Image recording apparatus according to ^{claim 1} [any one of the preceding claims] wherein said means for capturing includes a digital camera.
6. Image recording apparatus according to ^{claim 1} [any one of the preceding claims] wherein said means for storing includes a volatile memory such as RAM.
- 30 7. Image recording apparatus according to ^{claim 1} [any one of the preceding claims] wherein means for recording includes WORM type media.

8. Image recording apparatus according to ^{claim 1} [any one of claims 1 to 6] including means for deleting said first image in the event that said detecting means does not detect presence of said vehicle or object beyond said location.
- 5 9. Image recording apparatus according to ^{claim 1} [any one of the preceding claims] wherein said first image shows at least the position of said vehicle or object relative to said location.
- 10 10. Image recording apparatus according to ^{claim 1} [any one of the preceding claims] wherein said detecting means includes an inductive loop set below a road surface.
11. Image recording apparatus according to ^{claim 1} [any one of the preceding claims] wherein said location includes a stop line marked on a roadway.
- 15 12. Image recording apparatus according to ^{claim 1} [any one of the preceding claims] wherein said first image includes a wide angle image.
- 20 13. Image recording apparatus according to ^{claim 1} [any one of the preceding claims] wherein said first image includes an approach to an intersection of two or more roads.
- 25 14. A method of recording traffic violations including the steps of:
capturing a first image substantially at an instant of time that a control
signal changes its status;
storing said first image at least temporarily;
detecting presence of a vehicle or object beyond a location at which said
vehicle or object is required to stop in response to said change in status; and
recording said first image in the event that said detecting means detects
30 presence of said vehicle or object beyond said location.
15. A method according to claim 14 including capturing a second image a preset time delay following said instant of time.

16. A method according to claim 14 including capturing a second image in response to said detecting means.

5 17. A method according to claim 14 ^{claim 14} [15 or 16] wherein said change in status includes a traffic light signal changing to a red light.

18. A method according to ^{claim 14} [any one of claims 14 to 17] wherein said step of capturing is performed with a digital camera.

10 19. A method according to ^{claim 14} [any one of the preceding claims] wherein said first image is stored in volatile memory such as RAM.

15 20. A method according to ^{claim 14} [any one of the preceding claims] wherein said first image is recorded onto WORM type media.

21. A method according to ^{claim 14} [any one of claims 14 to 19] including the step of deleting said first image in the event that said detecting means does not detect presence of said vehicle or object beyond said location.

20 22. A method according to ^{claim 14} [any one of the preceding claims] wherein said first image shows at least the position of said vehicle or object relative to said location.

25 23. A method according to ^{claim 14} [any one of the preceding claims] wherein said detecting is performed with an inductive loop set below a road surface.

24. A method according to ^{claim 14} [any one of the preceding claims] wherein said location includes a stop line marked on a roadway.

30 25. A method according to ^{claim 14} [any one of the preceding claims] wherein said first image includes a wide angle image.

26. A method according to ^{- 12 -} *claim 14* [any one of the preceding claims] wherein said first
image includes an approach to an intersection of two or more roads.
27. Image recording apparatus suitable for recording traffic signal violations
5 substantially as herein described with reference to the accompanying drawings.
28. A method of recording traffic signal violations substantially as herein
described with reference to the accompanying drawings.